

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3	
Permit Number	ACT/007/039	Report Date	11/29/2017
Mine Name	Dugout Canyon Mine		
Company Name	Canyon Fuel Company, LLC		
Impoundment Identification	Impoundment Name	Surface Facility Sedimentation Pond	
	Impoundment Number	None	
	UPDES Permit Number	UT0025593	
	MSHA ID Number	Impoundment - None (Mine - 42-01890)	
<b>IMPOUNDMENT INSPECTION</b>			
Inspection Date	11/29/2017		
Inspected By	Bill King		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		Routine Quarterly Inspection	
<p>1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.</p> <p><i>There were no signs of instability, structural weakness or other hazardous conditions observed during this inspection.</i></p>			
Required for an impoundment which functions as a SEDIMENTATION POND.	<p>2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.</p> <p><i>Sediment Storage Capacity - 100% = 0.34 acre-feet @ an elevation of 6,953.56 feet</i>  <i>- 60% = 0.20 acre-feet @ an elevation of 6,951.66 feet</i></p> <p><i>At the time of the inspection, a conservative estimate on sediment volume is 15%, which would correspond to an elevation of approximately 6,949 feet.</i></p>		
	<p>3. Principle and emergency spillway elevations.</p> <p><i>Principal Spillway Elevation - 6,964.44 feet</i>  <i>Emergency Spillway Elevation - 6,964.5 feet</i></p>		
<p>4. <b>Field Information.</b> Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on out slopes of embankments, etc.</p> <p><i>Nielson Construction was contracted to clean the sediment accumulation out of the Dugout Canyon Mine sedimentation pond. Cleanout operations were conducted on August 5<sup>th</sup> &amp; 6<sup>th</sup>. Nielson Construction also cleaned the pond in 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2011, 2013, 2014, 2015 and 2016. Following the 2003 cleanout, Johansen and Tuttle Engineering, Inc., was contracted to survey the as-built details of the sedimentation pond. The as-built details of the pond were subsequently submitted to DOGM in September 2003 and were approved by DOGM in October 2003.</i></p> <p><i>During the 2003 cleanout, it was observed that the original pond was excavated to a point where the bottom was solid and substantial. This bottom is easily recognizable during cleaning operations. During the 2017 cleanout, it was observed that Nielson Construction cleaned sediment down to the same solid bottom.</i></p>			

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5. **Field Evaluation.** Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

**Qualification Statement**

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Bill HingDate: 11/29/17**CERTIFIED REPORT****IMPOUNDMENT EVALUATION (If NO, explain under Comments)**

YES

NO

- |  |   |  |
|--|---|--|
| 1. Is impoundment designed and constructed in accordance with the approved plan?   | X |  |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous condition?                                  | X |  |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | X |  |

**COMMENTS AND OTHER INFORMATION****Certification Statement:**

[PE Cert. Stamp]

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: \_\_\_\_\_

(Full Name and Title)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

P.E. Number &amp; State: \_\_\_\_\_